

Safety. Security. Compliance.



2022 MSSSI Product Guide

A comprehensive look into the options available for
engineered perimeter site security from MSSSI
GLOBAL Patented Turnstile Solution Site Experts
www.SecuredByMAC.com

Patent No. US 7,762,025

Terminology Glossary

- **Average throughput:** The average number of people that can get through a MAC Portal in one minutes time per lane.
- **Access control:** The optional software/hardware that can be integrated into a MAC Portal. Perimeter Security Access Control (PSAC) for our patented MAC turnstiles is available when a customer would like to ensure safety/security/compliance through automated data being captured to ensure only authorized visitors are allowed on site. This reduces liability and risk for your customers. Security access control includes, but is not limited to: Card access readers, badging system, online reporting dashboards, time and attendance reporting, loss prevention, and much more.
- **Lead time:** The time it takes from receipt of a purchase order (PO) for a brand-new unit to be built.

Perimeter Security Access Control Kit Options

Cloud Based Solution



Security Access Control Proximity (RFID) Card Reader



HID Hi-Def Badge Printer



“Smart Badges”



Security Cameras, Handheld Mobile Scanners, Biometric Scanners, etc.



Industrial customers most of the time will already have a team to provide and install PSAC on the MAC's. In this case, the customer will just rent the unit pre-wired and they will provide and install the security access control themselves.

Commercial customers will often ask for the PSAC solution, so please contact us with the model number they are interested in, and we will support your efforts with this.



Examples of Partner

Access Control Options

RFID, Card Readers, Proximity Cards, Hand Geometry Readers, Facial Recognition Software & more



Technology advances quickly

- Wearables
- Covid-19 questionnaires
- Smart Cards/Badges
- QR Codes/Kiosks
- Thermal Scanners
- Security Cameras
- Facial Recognition
- Insurance requirements/regulations

Factors involved in Access Control decisions

- Site logistics
- Budget
- Site mandated requirements/regulations from the End User, GC, CM, etc. or State/Federal laws
- Risk/Liability/Insurance requirements
- Number of access points needed for entry/exit on project site or at facility
- Total number of craft (utilizing Ghant chart to mark trends for when to ramp up and lean down) to ensure no bottlenecking occurs
- Reporting features needing captured (thousands of categories to track if desired)
- Specialty upgrades being requested such as: security cameras, facial recognition, social distance tracing, contact tracing, or zone tracking as examples
- Site challenges with theft, loss, or vandalism/graffiti

Simplistic Design Layout For Quick Site Setup

1. Temp Fence line



2. MAC Portal Installed in fence line



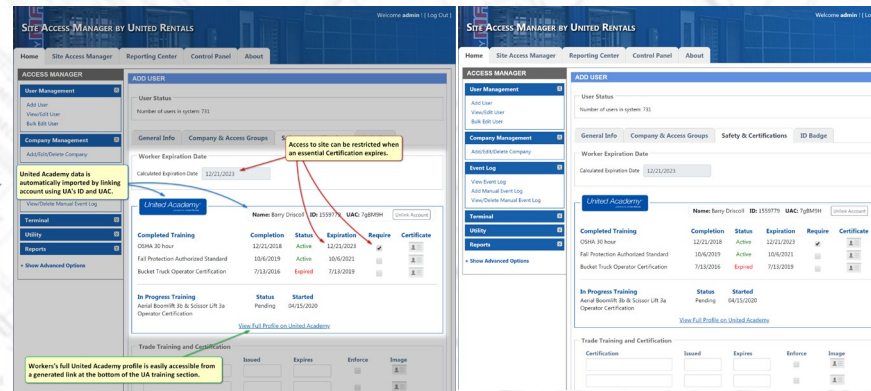
3. Security access control pre-installed as a turnkey solution or customer can install onsite themselves



4. MAC Portal in use on site



5. Standard or custom reporting available on demand



6. Safety/Security/Compliance for site regulations, restrictions, productivity, and data tracking





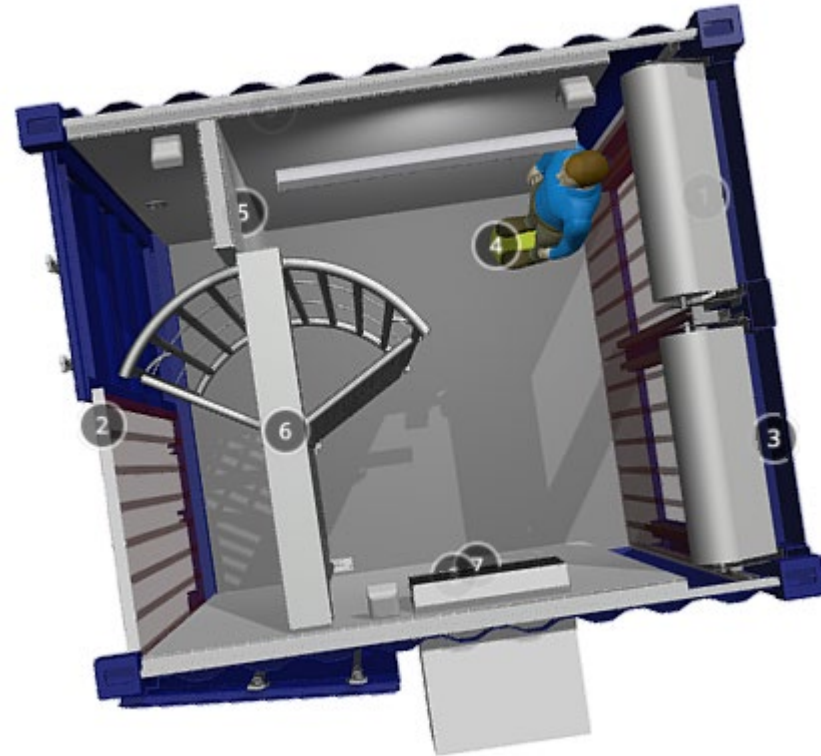
NEW THERMAL SCANNING UNIT MAC SAFE-T-CHECK Model No. M1ST

- Typical Application:
Commercial/Industrial Construction Projects
- Footprint: 8' x 10'
- Weight: 5,000 lbs
- Office: N/A
- Turnstile lanes: One
- Access Control: Available to integrate with most major ACS vendors

MAC SAFE-T-CHECK™

Model No. M1ST

360° Annotated Model



[CLICK HERE TO VIEW MODEL](#)

1 MAC Safe-T-Check Entry

Roll-up door on outside to secure interior during shipment and while not in use. Vinyl strip door on interior to keep conditioned air in space.

2 MAC Safe-T-Check Pass Exit

Cargo door on outside to secure interior during shipment and while not in use. Vinyl strip door on interior to keep conditioned air in space.

3 MAC Safe-T-Check Fall Exit

Roll-up door on outside to secure interior during shipment and while not in use. Vinyl strip door on interior to keep conditioned air in space.

4 Thermal Scanning Position

"STAND HERE" marked on floor for optimal scanning position.

5 Thermal Camera

Thermal camera with display monitor

6 Modular Access Control Portal

Full-height single turnstile for safe and secured access to site

7 Thru-Wall Unit

- Interior Space Conditioning
- Cooling Capacity = 20,000 BTU
- Heating Capacity = 13,000 BTU

8 Insulated Wall System

- R-10 Mineral Wool Insulation
- PVC panel surface

9 Power Load Center

- 120/240V, 1-Phase, 3-Wire.
- 40A main circuit breaker
- Branch circuit breakers

MSSI Patented Standard MAC Portals

- Provides Safety/Security/Compliance onsite
- Prevents unauthorized visitors/intruders along with loss prevention assistance
- Optional reporting capabilities/data tracking
- Turnkey, modular, easily installed
- 1 to 10 turnstile lanes in a single unit
- Customer chooses if they need/want security access control added on or not
- Guard Office available on most units if desired
- Add security cameras, facial recognition software, or almost anything else your jobsite requires



MAC-1
One Turnstile Lane w/o Office



MAC-2T
Two Turnstile Lanes w/o Office



MAC-2
Two Turnstile Lanes w/ Office



MAC-3
Three Turnstile Lanes w/o Office



MAC-3O
Three Turnstile Lanes w/ Office



MAC-4T
Four Turnstile Lanes w/o Office



MAC-4
Four Turnstile Lanes w/ Office



MAC-6T
Six Turnstile Lanes w/o Office



MAC-6
Six Turnstile Lanes w/ Office



MAC-8T
Eight Turnstile Lanes w/ Office



MAC-10T
Ten Turnstile Lanes w/o Office





MAC-1 Lite

Model No. M1LX

- Typical Application: Commercial Construction Projects
- Footprint: 6' x 6'
- Weight: 1,300 lbs
- Office: N/A
- Turnstile lanes: One (bi-directional)
- Average Throughput: 15-20/per lane
- Access Control: Optional/Based on customer preference



MAC-2 Lite

Model No. M2LX

- Typical Application: Commercial Construction Projects
- Footprint: 8' 7" x 6'
- Weight: 2,300 lbs
- Office: N/A
- Turnstile lanes: Two (bi-directional)
- Average Throughput: 15-20/per lane
- Access Control: Optional/Based on customer preference



MAC-1

Model No. M1XX

- Typical Application: Industrial and Commercial Construction Projects
- Footprint: 8' x 6'
- Weight: 3,500 lbs
- Office: N/A
- Turnstile lanes: One (bi-directional)
- Average Throughput: 15-20/per lane
- Access Control: Optional/Based on customer preference



MAC-2T

Model No. M2TX

- Typical Application: Commercial & Industrial Construction Projects
- Footprint: 10' x 8'
- Weight: 4,600 lbs
- Office: N/A
- Turnstile lanes: Two (bi-directional)
- Average Throughput: 15-20/per lane
- Access Control: Optional/Based on customer preference



MAC-20

Model No. M2MX

- Typical Application: Industrial and Commercial Construction Projects
- Footprint: 8' x 20'
- Weight: 7,200 lbs
- Office: YES---- 7' 6" x 7' (Climate Controlled)
- Turnstile lanes: Two
- Average Throughput: 15-20/per lane
- Access Control: Optional/Based on customer preference



MAC-3

Model No. M3XX

- Typical Application: Industrial and Commercial Construction Projects
- Footprint: 8' x 20'
- Weight: 6,700 lbs
- Office: N/A
- Turnstile lanes: Three (bi-directional)
- Average Throughput: 15-20/per lane
- Access Control: Optional/Based on customer preference



MAC-30

Model No. M3EX

- Typical Application: Industrial and Commercial Construction Projects
- Footprint: 8' x 26'
- Weight: 8,600 lbs
- Office: 9' 1" x 7' (Climate controlled)
- Turnstile lanes: Three (bi-directional)
- Average Throughput: 15-20/per lane
- Access Control: Optional/Based on customer preference



MAC-40

Model No. M4MX

- Typical Application: Industrial and Commercial Construction Projects
- Footprint: 8' x 40'
- Weight: 15,500 lbs
- Office: YES----17' 2" x 7' (Climate Controlled)
- Turnstile lanes: Four (bi-directional)
- Average Throughput: 15-20/per lane
- Access Control: Optional/Based on customer preference



MAC-4T

Model No. M4TX

- Typical Application: Industrial and Commercial Construction Projects
- Footprint: 8' x 20'
- Weight: 7,200 lbs
- Office: N/A
- Turnstile lanes: Four (bi-directional)
- Average Throughput: 15-20/per lane
- Access Control: Optional/Based on customer preference



MAC-6

Model No. M6MX

- Typical Application: Industrial and Larger Commercial Construction Projects
- Footprint: 8' x 40'
- Weight: 15,200 lbs
- Office: YES--- 6' 9" x 7' (Climate Controlled)
- Turnstile lanes: Six (bi-directional)
- Average Throughput: 15-20/per lane
- Access Control: Optional/Based on customer preference



MAC-6T

Model No. M6TX

- Typical Application: Industrial and Larger Commercial Construction Projects
- Footprint: 8' x 25'
- Weight: 9,300 lbs
- Office: N/A
- Turnstile lanes: Six (bi-directional)
- Average Throughput: 15-20/per lane
- Access Control: Optional/Based on customer preference



MAC-8T

Model No. M8TX

- Typical Application: LARGER Industrial and Commercial Construction Projects
- Footprint: 8' x 40'
- Weight: 13,800 lbs
- Office: YES--- 6' 5" x 7' (Climate Controlled)
- Turnstile lanes: Eight (bi-directional)
- Average Throughput: 15-20/per lane
- Access Control: Optional/Based on customer preference





MAC-10T

Model No. M10TX

- Typical Application: LARGE Industrial and Commercial Construction Projects
- Footprint: 8' x 40'
- Weight: 14,500 lbs
- Office: N/A
- Turnstile lanes: Ten (bi-directional)
- Average Throughput: 15-20/per lane
- Access Control: Optional/Based on customer preference

VEHICLE ACCESS CONTROL (VAC) Portals

- Typical Application: LARGE Industrial and Commercial Construction Projects
- Multiple options available depending on site setup
- Access Control: Optional/Based on customer preference





Modular Guard Houses

- Typical Application:
Industrial and Commercial
Construction Projects
- Options/Sizes for standards:
 - 4x6 (G46X)
 - 6x8 (G68X)
 - 8x10 (G81X)
 - 8x20 (G82X)

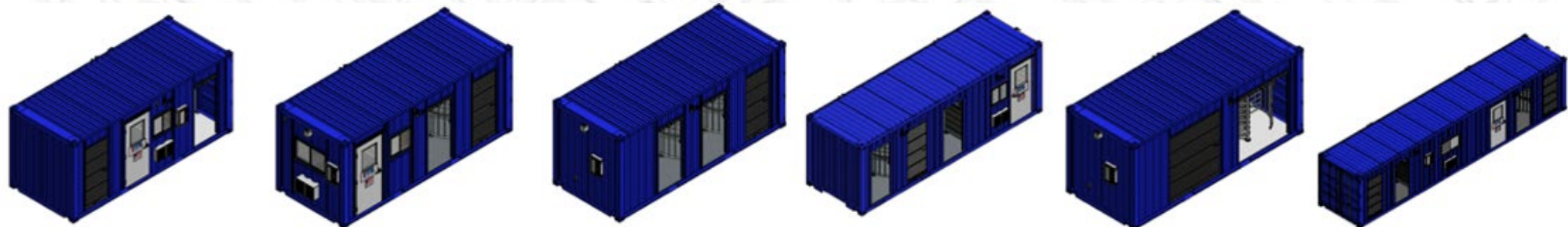


MODEL	M1LX	M1XX	M1ST	M1EX	M2LX	M2TX
MODEL DESCRIPTION	MAC1 LITE	MAC1	MAC SAFE-T-CHECK	MAC1 OFFICE ON END	MAC2 LITE	MAC2T
General Features:						
Enclosure	Custom	Custom	10' Container	20' Container	Custom	10' Container
Approx. Shipping Weight ¹	1,300 lbs	3,500 lbs	4,900 lbs	7,000 lbs	2,300 lbs	4,600 lbs
Approx. Footprint (L X W)	6'-0" X 6'-0"	8'-0" X 6'-0"	10'-0" X 8'-0"	20'-0" X 8'-0"	8'-7" X 6'-0"	10'-0" X 8'-0"
Approx. Shipping (L X W X H) ¹	6'-0" X 6'-7" X 8'-5"	9'-6" X 6'-6" X 8'-6"	10'-0" X 8'-0" X 8'-6"	20'-6" X 8'-4" X 8'-6"	6'-0" X 9'-3" X 8'-5"	10'-6" X 8'-2" X 8'-6"
Approx. Overall (L X W X H) ¹	6'-0" X 6'-7" X 8'-5"	9'-6" X 6'-6" X 8'-6"	10'-0" X 9'-11" X 8'-6"	20'-6" X 9'-6" X 8'-6"	6'-0" X 9'-3" X 8'-5"	10'-6" X 9'-6" X 8'-6"
Lifting Methods:						
Bottom Corner Blocks	No	Yes	Yes	Yes	No	Yes
Top Corner Blocks	No	No	Yes	Yes	No	Yes
Fork Lift	Yes	Yes	Yes	Yes	Yes	Yes
Other	No	Top Lifting Lugs	No	No	No	No
Office:						
Approx. Dimensions (L X W)	n/a	n/a	Finished Turnstile Bay	13'-2" X 7'-0"	n/a	n/a
Cooling Capacity / BTUH	n/a	n/a	20,000	9,000	n/a	n/a
Heating Capacity / BTUH	n/a	n/a	13,000	11,000	n/a	n/a
Heating Watts	n/a	n/a	3,800	3,500	n/a	n/a
Wall / Ceiling Insulation	n/a	n/a	R-10	R-13	n/a	n/a
Entry Door with Window	n/a	n/a	Vinyl Strips	1	n/a	n/a
Turnstile Bay:						
Lanes	1	1	1	1	2	2
Lane Style	Single	Single	Single	Single	Tandem	Tandem
Roll-Up Doors	n/a	3' per Single	3' per Single	3' per Single	n/a	6' per Tandem
Electrical Data:						
Lighting Technology	LED	LED	LED	LED	LED	LED
Load Center Main Amps	MLO	100	40	100	MLO	100
Voltage ²	120 / 240	120 / 240	120 / 240	120 / 240	120 / 240	120 / 240
Frequency	60 Hz	60 Hz	60 Hz	60 Hz	60 Hz	60 Hz
Demand KVA ³	0.8	1.4	5.3	6.4	0.9	1.4
Demand Amps	3	6	22	26	4	6

1. General feature weights and dimensions are calculated and can vary based on container and options.

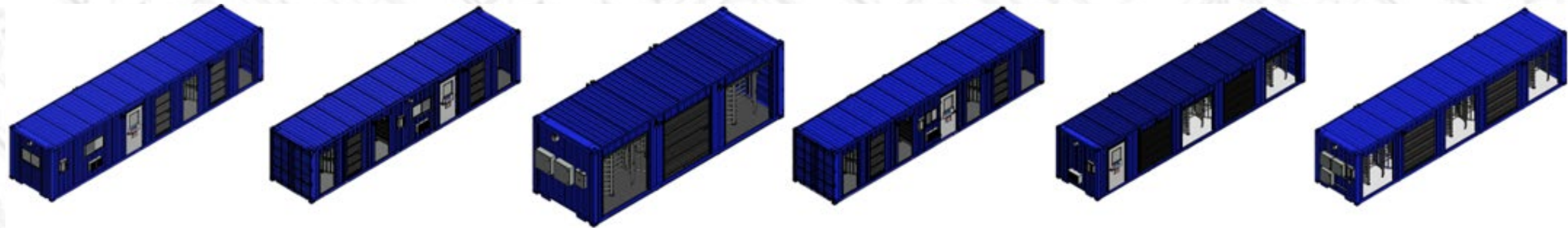
2. Standard voltage, other voltages are available.

3. Demand KVA is based on National Electric Code (NEC) load calculation methods, actual may vary depending on customer equipment.



MODEL	M2MX	M2EX	M3XX	M3EX	M4TX	M4MX
MODEL DESCRIPTION	MAC2 OFFICE IN MIDDLE	MAC2 OFFICE ON END	MAC3 MAC3	MAC3 OFFICE ON END	MAC4T MAC4T	MAC4 OFFICE IN MIDDLE
General Features:						
Enclosure	20' Container	20' Container	20' Container	26' Container	20' Container	40' Container
Approx. Shipping Weight ¹	7,200 lbs	7,300 lbs	6,700 lbs	8,600 lbs	7,200 lbs	15,700 lbs
Approx. Footprint (L X W)	20'-0" X 8'-0"	20'-0" X 8'-0"	20'-0" X 8'-0"	26'-0" X 8'-0"	20'-0" X 8'-0"	40'-0" X 8'-0"
Approx. Shipping (L X W X H) ²	20'-0" X 8'-10" X 8'-6"	20'-6" X 8'-4" X 8'-6"	20'-4" X 8'-2" X 8'-6"	26'-6" X 8'-6" X 8'-6"	20'-4" X 8'-2" X 8'-6"	40'-6" X 8'-6" X 8'-6"
Approx. Overall (L X W X H) ²	20'-0" X 9'-6" X 8'-6"	20'-6" X 9'-6" X 8'-6"	20'-4" X 9'-6" X 8'-6"	26'-6" X 9'-6" X 8'-6"	20'-4" X 9'-6" X 8'-6"	40'-6" X 9'-6" X 8'-6"
Lifting Methods:						
Bottom Corner Blocks	Yes	Yes	Yes	Yes	Yes	Yes
Top Corner Blocks	Yes	Yes	Yes	Yes	Yes	Yes
Fork Lift	Yes	Yes	Yes	No	Yes	Yes
Other	No	No	No	No	No	No
Office:						
Approx. Dimensions (L X W)	7'-6" X 7'-0"	7'-11" X 7'-0"	n/a	9'-1" X 7'-0"	n/a	17'-2" X 7'-0"
Cooling Capacity / BTUH	12,000	12,000	n/a	9,000	n/a	12,000
Heating Capacity / BTUH	11,000	11,000	n/a	11,000	n/a	11,000
Heating Watts	3,500	3,500	n/a	3,500	n/a	3,500
Wall / Ceiling Insulation	R-13	R-13	n/a	R-13	n/a	R-13
Entry Door with Window	1	1	n/a	2	n/a	2
Turnstile Bay:						
Lanes	2	2	3	3	4	4
Lane Style	Single	Single	Single	Single	Tandem	Single
Roll-Up Doors	3' per Single	3' per Single	3' per Single	3' per Single	6' per Tandem	3' per Single
Electrical Data:						
Lighting Technology	LED	LED	LED	LED	LED	LED
Load Center Main Amps	100	100	100	100	100	100
Voltage ²	120 / 240	120 / 240	120 / 240	120 / 240	120 / 240	120 / 240
Frequency	60 Hz	60 Hz	60 Hz	60 Hz	60 Hz	60 Hz
Demand KVA ³	6.4	6.4	2.1	7.5	2.1	7.7
Demand Amps	26	26	9	31	9	32

1. General feature weights and dimensions are calculated and can vary based on container and options.
 2. Standard voltage, other voltages are available.
 3. Demand KVA is based on National Electric Code (NEC) load calculation methods, actual may vary depending on customer equipment.



MODEL	M4EX	M5MX	M6TX	M6MX	M8TX	M10T
MODEL DESCRIPTION	MAC4 OFFICE ON END	MAC5 OFFICE IN MIDDLE	MAC6T	MAC6 OFFICE IN MIDDLE	MAC8T	MAC10T
General Features:						
Enclosure	40' Container	40' Container	25' Container	40' Container	40' Container	40' Container
Approx. Shipping Weight ¹	15,500 lbs	16,000 lbs	9,300 lbs	15,200 lbs	13,800 lbs	14,500 lbs
Approx. Footprint (L X W)	40'-0" X 8'-0"	40'-0" X 8'-0"	25'-0" X 8'-0"	40'-0" X 8'-0"	40'-0" X 8'-0"	40'-0" X 8'-0"
Approx. Shipping (L X W X H) ¹	40'-6" X 8'-6" X 8'-6"	40'-0" X 8'-10" X 8'-6"	25'-8" X 8'-2" X 8'-6"	40'-0" X 8'-4" X 8'-6"	40'-8" X 8'-4" X 8'-6"	40'-10" X 8'-2" X 8'-6"
Approx. Overall (L X W X H) ¹	40'-6" X 9'-6" X 8'-6"	40'-0" X 9'-6" X 8'-6"	25'-8" X 9'-6" X 8'-6"	40'-0" X 9'-6" X 8'-6"	40'-8" X 9'-6" X 8'-6"	40'-10" X 9'-6" X 8'-6"
Lifting Methods:						
Bottom Corner Blocks	Yes	Yes	Yes	Yes	Yes	Yes
Top Corner Blocks	Yes	Yes	Yes	Yes	Yes	Yes
Fork Lift	Yes	Yes	No	Yes	No	No
Other	No	No	No	No	No	No
Office:						
Approx. Dimensions (L X W)	17'-7" X 7'-0"	11'-11" X 7'-0"	n/a	6'-9" X 7'-0"	6'-5" X 7'-0"	n/a
Cooling Capacity / BTUH	12,000	9,000	n/a	9,000	9,000	n/a
Heating Capacity / BTUH	11,000	11,000	n/a	11,000	11,000	n/a
Heating Watts	3,500	3,500	n/a	3,500	3,500	n/a
Wall / Ceiling Insulation	R-13	R-13	n/a	R-13	R-13	n/a
Entry Door with Window	2	2	n/a	1	1	n/a
Turnstile Bay:						
Lanes	4	5	6	6	8	10
Lane Style	Single	Single	Tandem	Single	Tandem	Tandem
Roll-Up Doors	3' per Single	3' per Single	6' per Tandem	3' per Single	6' per Tandem	6' per Tandem
Electrical Data:						
Lighting Technology	LED	LED	LED	LED	LED	LED
Load Center Main Amps	100	100	100	100	100	100
Voltage ²	120 / 240	120 / 240	120 / 240	120 / 240	120 / 240	120 / 240
Frequency	60 Hz	60 Hz	60 Hz	60 Hz	60 Hz	60 Hz
Demand KVA ³	7.5	8.2	3.6	8.0	7.7	6.4
Demand Amps	31	34	15	33	32	27

1. General feature weights and dimensions are calculated and can vary based on container and options.

2. Standard voltage, other voltages are available.

3. Demand KVA is based on National Electric Code (NEC) load calculation methods, actual may vary depending on customer equipment.



Additional Information, Drawings, and Specifications for
MAC Portals can be found online at:

www.SecuredByMAC.com

KJ Williams

Sr. National Account Manager

kwilliams@securedbymac.com

606-254-9550